BRUHAT BANGALORE MAHANAGARA PALIKE

ame of Work: Construction of Shops at HMT Layout and JP Park Double Road in ward no 17

MODIFIED ESTIMATE

BQ No	Item Name	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
	Civil Works								
1	Earthwork excavation by manual means in ordinary soil for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m including breaking of clods complete as per specifications. No. KBS 2.1(a) / 2.3.5								
	Foundation								
	Long Wall	Cum	60.00	3.05	1.10	0.55	110.72		
	Short Wall	Cum	60.00	2.45	1.10	0.55	88.94		
						Total	**199.65**		
						SCHEDULE B	**161.71**		
						Qty Upto 125 %	**199.65**	**349.00**	**69677.85**
2	Providing and injecting chemical emulsion for Pre-construction Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration at 3.19 Litre/sqm., including cost of chemical, diluting in water to one percent concentration, labour, HOM complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7								
	Foundation								
	Long Wall	Sqm	60.00	3.05	1.10		201.30		
	Short Wall	Sqm	60.00	2.45	1.10		161.70		
						Total	**363.00**		
						BQ	**363.00**		
						SCHEDULE B	**52.02**		
						Qty Upto 125 %	**65.03**	**124.00**	**8063.10**
						Qty Above 125 %	**297.98**	**124.00**	**36948.90**
3	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.								
	Foundation								
	Long Wall	Cum	60.00	3.05	1.00	0.10	18.30		
	Short Wall	Cum	60.00	2.45	1.00	0.10	14.70		
						Total	**33.00**		
						SCHEDULE B	**21.01**		
						Qty Upto 125 %	**26.26**	**2832.00**	**74375.40**
						Qty Above 125 %	**6.74**	**2831.00**	**19073.86**
4	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2								
	Foundation								
	Long Wall	Cum	60.00	3.05	1.00	0.075	13.73		
	Short Wall	Cum	60.00	2.45	1.00	0.075	11.03		

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For Flooring	Cum	30.00	2.83	2.23	0.10	18.86		
					Total	**43.61**		
					SCHEDULE B	**20.79**		
					Qty Upto 125 %	**25.99**	**6055.00**	**157354.31**
					Qty Above 125 %	**17.62**	**6584.00**	**116005.97**

Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6 stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13

SSM Foundation								
Long Wall								
First Course	Cum	60.00	3.05	0.75	0.20	27.45		
Second Course	Cum	60.00	3.05	0.60	0.20	21.96		
Thired Course	Cum	60.00	3.05	0.45	0.20	16.47		
Short Wall								
First Course	Cum	60.00	2.45	0.75	0.20	22.05		
Second Course	Cum	60.00	2.45	0.60	0.20	17.64		
Thired Course	Cum	60.00	2.45	0.45	0.20	13.23		
					Total	**118.80**		
					SCHEDULE B	**53.42**		
					Qty Upto 125 %	**66.78**	**5358.00**	**357780.45**
					Qty Above 125 %	**52.03**	**5555.00**	**288998.88**

KSRB 4-1.1: Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2

SSM Foundation								
Long Wall	Cum	60.00	3.05	0.45	0.10	8.24		
Short Wall	Cum	60.00	2.45	0.45	0.10	6.62		
					Total	**14.85**		
					SCHEDULE B	**3.34**		
					Qty Upto 125 %	**4.18**	**6148.00**	**25667.90**
					Qty Above 125 %	**10.68**	**6736.00**	**71906.80**

7 Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with superplasticizer @3lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintels, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6------For Ground Floor

Plinth Beam								
Long Wall	Cum	60.00	3.05	0.23	0.30	12.63		
Short Wall	Cum	60.00	2.45	0.23	0.30	10.14		
Cut Lintel for Windows	Cum	30.00	1.25	0.15	0.15	0.84		
Roof Beam								
Front Wall	Cum	30.00	3.05	0.23	0.45	9.47		
Back Wall	Cum	30.00	3.05	0.23	0.25	5.26		
Roof Slab	Cum	30.00	3.05	3.35	0.15	45.98		
					Total	**84.32**		
					SCHEDULE B	**35.05**		

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				Qty Upto 125 %		43.81	7048.00	308730.50
				Qty Above 125 %		40.51	7594.00	307644.33
Providing and removing centering, shuttering, strutting, propping etc., and removal of formwork for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
Plinth Beam								
Long Wall	Sqm	120.00	3.05		0.30	109.80		
Short Wall	Sqm	120.00	2.45		0.30	88.20		
Cut Lintel for Windows	Sqm	60.00	1.25		0.15	11.25		
Roof Beam								
Front Wall	Sqm	60.00	3.05		0.45	82.35		
Back Wall	Sqm	60.00	3.05		0.25	45.75		
					Total	**337.35**		
				SCHEDULE B		**287.29**		
				Qty Upto 125 %		**337.35**	**340.00**	**114699.00**
Providing and removing centering, shuttering, strutting, propping etc., and removal of formwork for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications for heights more than 3.50m from ground level. - 0 to 5 mtrs. Specification No. KBS 4.6.2								
Roof Slab	Sqm	30.00	3.05	3.35		306.53		
					Total	**306.53**		
				SCHEDULE B		**144.60**		
				Qty Upto 125 %		**180.75**	**466.00**	**84229.50**
				Qty Above 125 %		**125.78**	**466.00**	**58611.15**
KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 550----------Ground Floor								
Plinth Beam	Tonn					1.89		
Lintel Beam	Tonn					0.25		
Roof Beam	Tonn					1.82		
Roof Slab	Tonn					2.78		
					Total	**6.73**	**91591.00**	**616315.84**
KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9								
Item No 1	**Cum**	**1.00**	**199.65**			199.65		
Deduct Item No 5	**Cum**	**-1.00**	**118.80**			-118.80		
					Total	**80.85**	**234.00**	**18918.90**
Lead for disposal of earth shall be payable including loading and unloading up to 13.25kms.								
Item No 5	**Cum**	**1.00**	**118.80**			118.80		
					Total	**118.80**		
				SCHEDULE B		**40.05**		
				Qty Upto 125 %		**50.06**	**98.00**	**4906.13**

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					Qty Above 125 %	68.74	98.00	6736.28
Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification.----------Ground Floor								
Ceiling	Sqm	30.00	2.83	3.13		264.84		
					Total	264.84		
					SCHEDULE B	69.12		
					Qty Upto 125 %	86.40	274.00	23673.60
					Qty Above 125 %	178.44	287.00	51213.36
Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications----------Ground Floor								
Ceiling	Sqm	30.00	3.05	3.35		306.53		
					Total	306.53		
					SCHEDULE B	69.12		
					Qty Upto 125 %	86.40	37.00	3196.80
					Qty Above 125 %	220.13	37.00	8144.63
Providing 15mm thick cement plaster in single coat with cement mortar 1:3 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.----------Ground Floor								
Long Wall	Sqm	60.00	2.83		3.00	509.40		
Short Wall	Sqm	60.00	2.22		3.30	439.56		
Deductions								
Windows	Sqm	-30.00	0.95		0.70	-19.95		
Rolling Shutter	Sqm	-30.00	2.50		2.20	-165.00		
					Total	764.01		
					SCHEDULE B	142.62		
					Qty Upto 125 %	178.28	273.00	48669.08
					Qty Above 125 %	585.74	290.00	169863.15
Providing 18mm thick cement plaster in single coat with cement mortar 1:3 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.----------Ground Floor								
External Plastering								
Long Wall	Sqm	60.00	3.05		3.00	549.00		
Short Wall	Sqm	18.00	2.45		3.30	145.53		
Deductions								
Windows	Sqm	-30.00	0.95		0.70	-19.95		
Rolling Shutter	Sqm	-30.00	2.50		2.20	-165.00		
					Total	509.58		
					SCHEDULE B	138.84		
					Qty Upto 125 %	173.55	322.00	55883.10
					Qty Above 125 %	336.03	341.00	114586.23
Extra for providing and mixing waterproofing compound in cement plaster for brick masonry work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:3, 20mm thick cost of materials complete as per specifications.----------Ground Floor								
For outer wall quantity Item No 25	Sqm					509.58		
					Total	509.58		
					SCHEDULE B	138.84		

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					Qty Upto 125 %	173.55	14.00	2429.70
					Qty Above 125 %	336.03	14.00	4704.42
KSRB 15.10 3 Providing white washing to ceiling and / or sloping roof surface in two coats with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.								
For outer wall quantity Item No 22	Sqm					264.84		
					Total	264.84		
					SCHEDULE B	122.48		
					Qty Upto 125 %	153.10	15.00	2296.50
					Qty Above 125 %	111.74	15.00	1676.16
KSRB 15.10.1 Providing white washing to new wall surface in two coats with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.								
For Inner wall quantity Item No 24	Sqm					764.01		
					Total	764.01		
					SCHEDULE B	320.70		
					Qty Upto 125 %	400.88	14.00	5612.25
					Qty Above 125 %	363.14	14.00	5083.89
Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification.								
For Inner wall quantity Item No 24	Sqm					764.01		
For Inner wall quantity Item No 22	Sqm					264.84		
					Total	1028.85		
					SCHEDULE B	443.18		
					Qty Upto 125 %	553.98	91.00	50411.73
					Qty Above 125 %	474.88	91.00	43213.97
Providing and applying painting in two coats with plastic emulsion paint with primer of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.								
For Inner wall quantity Item No 30	Sqm					1028.85		
					Total	1028.85		
					SCHEDULE B	443.18		
					Qty Upto 125 %	553.98	105.00	58167.38
					Qty Above 125 %	474.88	105.00	49862.27
2 Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with anti fungal paint for top coat of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.----------Ground Floor								
For External Painting quantity Item No 25	Sqm					509.58		
					Total	509.58		
					SCHEDULE B	138.84		
					Qty Upto 125 %	173.55	210.00	36445.50
					Qty Above 125 %	336.03	119.00	39987.57

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	Providing and laying flooring using pre polished, gang saw/water cut 19mm thick granite using silver grey granite / Multy Red / Ruby Red / Black / Hassan Green / River Pink Granite of width not less than 1200mm laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications ---------- Ground Floor								
	Flooring	Sqm	30.00	2.83	2.23		188.57		
						Total	188.57		
						SCHEDULE B	59.76		
						Qty Upto 125 %	74.70	2653.00	198179.10
						Qty Above 125 %	113.87	3192.00	363469.05
4	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms								
	Skirting	Sqm	60.00	2.83		0.10	16.95		
		Sqm	60.00	2.23		0.10	13.35		
	Deductions								
	Rolling Shutter	Sqm	-30.00	2.50		0.10	-7.50		
						Total	22.80		
						SCHEDULE B	14.24		
						Qty Upto 125 %	17.80	1903.00	33873.40
						Qty Above 125 %	5.00	1902.00	9510.00
5	Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications. Specification No. KBS 7.12---------- Ground Floor								
	Windows	Sqm	30.00	0.95		0.70	19.95		
						For 1 Sqm 25 Kg	25.00		
						Total in	498.75		
						SCHEDULE B	345.00		
						Qty Upto 125 %	431.25	111.00	47868.75
						Qty Above 125 %	67.50	111.00	7492.50
26	Providing & fixing of glazed 3 Track - 2 Panel Sliding Door made out of multi chambered uPVC sections with TPV gaskets having isolated drainage and reinforced with Galvanized Iron profiles through out the window. The sliding outer frame having a overall size of 60x45 mm with reinforcement of 1 mm thickness, super sas with overall size of 39x75 mm with reinforcement of 1.5mm thickness. Glazing bead for fixing of glass shall be of size 20x18 mm and coestruded with gasket. Fiber Glass mesh shall be provided in mesh shutter. Window/Door shall be provided with 6 mm plain float glass, stgandard hardware & multi point locking system of patio espagnolette. Wall thickness of frame, mullion & sash shall be 2-2.2 mm.								
	Windows	Sqm	30.00	0.95		0.70	19.95		
						Total	19.95	6616.00	131989.20
						DPQ	0.00		
						BQ	19.95		
27	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications.								
	Windows	Sqm	30.00	0.95		0.70	19.95		
						Total	19.95	48.00	957.60

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						DPQ	0.00		
						BQ	19.95		
	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.								
	Windows	**Sqm**	30.00	0.95		0.70	19.95		
						Total	**19.95**	**111.00**	**2214.45**
						DPQ	**0.00**		
						BQ	**19.95**		
	Electrical Work								
	Part - A PVC Conduit & Its Accessories								
	Supplying heavy gauge PVC conduit pipe .....mm dia ..... mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary----------								
	19/20mm dia 2mm thick.	**Mtrs**	**30.00**	**15.00**	-	-	450.00		
						Total	**450.00**		
						SCHEDULE B	**250.00**		
						Qty Upto 125 %	**312.50**	**57.00**	**17812.50**
						Qty Above 125 %	**137.50**	**62.00**	**8525.00**
	Groove cutting in walls Supplying heavy gauge PVC Conduit Pipe ....dia ....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.----------								
	19/20mm dia 2mm thick	**Mtrs**	**30.00**	**15.00**	-	-	450.00		
						Total	**450.00**		
						SCHEDULE B	**100.00**		
						Qty Upto 125 %	**125.00**	**58.00**	**7250.00**
						Qty Above 125 %	**325.00**	**63.00**	**20475.00**
	Part B Wires & Cables								
1	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A----------								
a	**Short point upto 3Mtr from tapping point to out let via switch**	**point**	**30.00**	**1.00**		-	30.00		
						Total	**30.00**		
						SCHEDULE B	**20.00**		
						Qty Upto 125 %	**25.00**	**173.00**	**4325.00**
						Qty Above 125 %	**5.00**	**233.00**	**1165.00**
12	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS 694:confirming to latest amendments.----------1.5 sqmm								
b	**2.5 sqmm**	**Mtrs**	**30.00**	**30.00**		-	900.00		
						Total	**900.00**	**35.00**	**31500.00**
						DPQ	**0.00**		
						BQ	**900.00**		
	Part C Switches and Sockets								
33	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall----------1-3Way								

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4-5Way	Nos	30.00	1.00		-	30.00		
					Total	30.00	103.00	3090.00
					DPQ	0.00		
					BQ	30.00		
Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.----------1 to 3 Module								
	Nos	30.00	1.00		-	30.00		
					Total	30.00		
				SCHEDULE B		10.00		
				Qty Upto 125 %		12.50	119.00	1487.50
				Qty Above 125 %		17.50	128.00	2240.00
Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.----------6Amps one way.								
6Amps 3way socket.	Nos	30.00	1.00		-	30.00		
					Total	30.00		
				SCHEDULE B		5.00		
				Qty Upto 125 %		6.25	113.00	706.25
				Qty Above 125 %		23.75	122.00	2897.50
Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.----------6-32 Amps SP. Group'A'								
5-32 Amps DP. Group'A'	Nos	30.00	1.00		-	30.00		
					Total	30.00		
				SCHEDULE B		2.00		
				Qty Upto 125 %		2.50	981.00	2452.50
				Qty Above 125 %		27.50	1059.00	29122.50
Supplying & fixing retrofit type -PL- LED Lamp 8-9W LED linear source with CCT 6500 degree K, CRI> 70%, efficacy >80 lumen per watt, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to beintegrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to275 volts. Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition. 8-9 Watts								
	Nos	30.00	1.00		-	30.00		
					Total	30.00		
				SCHEDULE B		15.00		
				Qty Upto 125 %		18.75	378.00	7087.50
				Qty Above 125 %		11.25	495.00	5568.75
Providing Brick work with common burnt clay machine moulded perforated bricks of class designation 3.0 conforming to IS 2222 in superstructure above plinth level in cement mortar 1:6 (1 cement : 6 coarse sand) With Non modular bricks including cost of all materials, labour, scaffolding and usage charges of machinery & other incidental charges complete as per the direction of engineer incharge of work.								
SR 2021-22 VOLUME 1 P.No 13 LNo 6.5								
Long Wall	Sqm	60.00	2.83	0.23	3.00	117.16		
Short Wall	Sqm	39.00	2.23	0.23	1.25	65.01		
Deductions								
Windows	Sqm	-30.00	0.95	0.23	0.70	-4.59		
Rolling Shutter	Sqm	-30.00	2.50	0.23	2.20	-37.87		

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					Total	139.72	10392.	
					DPQ	0.00		
					BQ	139.72		
Basic Rate		8918.00						
Area Weightage 8%		713.44						
Sub Total		9631.44						
T P +7.9%		760.88						
Grand total		10392.32						
Supplying and fixing rolling shutters of approved make, made of required size M S laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS 4454 - part 1 and M S top cover of required thickness for rolling shutters 80x1.25 mm M S laths with 1.25mmm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.								
SR 2021-22 VOLUME I P.No 76 I.No 11.6.1								
Rolling Shutter	Sqm	30.00	2.50		2.20	165.00		
					Total	**165.00**	**2924.95**	**482617.28**
					DPQ	**0.00**		
Basic Rate		**2510.00**			**BQ**	**165.00**		
Area Weightage 8%		200.80						
Sub Total		**2710.80**						
T P +7.9%		214.15						
Grand total		**2924.95**						
							Sub Total	**6397677.31**
							Miscellaneous and unforeseen charges etc.L.S	**5377.69**
							Grand Total	**6403055.00**

Assistant Engineer
Ward No.37
BBMP, Bangalore

Asst. Executive Engineer
Yashwanthapura sub division
BBMP, Bangalore

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Executive Engineer
RR Nagar Division
BBMP, Bangalore

Modified.

TECHNICAL SANCTION

Rs: 6,397,677/- (Rs Sixty three Lakhs ninety seven thousand Six hundred Seventy Seven only) is accorded under the head: P-3853

By CE(R.R.N.), P.N-48-49

Registered as CE (R.R.N) No: 155/21-22 subject to conditions contained in enclosed memo No: 155/21-22 Dated, 31/3/2022

TA,

CE (R.R.N.)

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